

chemicalweek **index**

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Potential culls profits in plastic packaging (table)	Aug 13	6	Argentina: Monsanto may raise PS plant capacity	Nov 26	101			
Producers gear up to meet rising demand	July 9	61	Brazil: EDN purchases PS unit from Dow Quimica	Nov 26	101			
Polyimides — Characterization of polyimide physical properties	Aug 6	39	Dow's new technology licensing pact with China	July 9	25	Printers & Printing		
Polymerization — Polymerization opens doors for liposomes	Nov 26	13	Dow to boost capacity	Dec 24	34	Anunx may file possible antitrust suit against Canon over copier toners	July 16	5
Polymers	Oct 29	19	Europe's resin capacity: Still dropping (chart & table)	Nov 5	33	Dainippon acquires Hartmann Druckfarben, printing inks maker	July 23	7
Advanced materials: Airing the health risks — Harvard Univ. symposium	Nov 5	40	GE Plastics Group and Huntsman Chemical set joint venture in plastics products	Oct 15	25	Sun resists a takeover by DIC	July 2	9
Arco and Air Products developing poly-alkylene carbonate polymers	Nov 19	8	Japan's MTC shuffles its polystyrene capacities	Oct 22	28	Discussions continue N July 16-5, N Sun finally agrees to sell graphic arts business to Dainippon for \$550 million	Aug 27	14
Battelle's transparent elastomer: A new see-through rubber looks for work	Oct 29	19	Mobil Chemical may expand PS plant at Joliet, Ill.	Nov 26	101	Product Development — Monsanto Chemical: A mix of products with short- and long-term payouts	Aug 13	32
Dartco reduces the prices for Xydar compounds	Aug 27	51	Operating rates up	Dec 24	34			
Engineering polymers: K'86 — Resin makers enjoy an upbeat mood	Nov 5	40	Plastics '86: Passing 50 billion lb/year and still growing — report (charts & tables)	Dec 17	22			
Engineering polymers prices	Nov 19	8	Polystyrene: A new lease on life	Dec 17	49	Product Liability		
Fluoropolymers: More fluoroplastics, more competition	Oct 23	24	Prices N Sept 3-51, N Oct 29-45	Nov 5	40	Asbestos: No limit set on asbestos punitive damages	July 16	40
— Letter	Oct 15	21	Polytetrahydrofuran — BASF, GAF boost capacity for acetylenic chemicals	Aug 6	5	Tort reform	July 2	14
Japan's Denka to build commercial plant to make modified maleimide resin	Nov 19	4	Polyurethane			Product liability reform huddles	Sept 3	58
Membranes see Membrane	Dec 24	24	Building codes come under fire: N.Y. to investigate materials for their toxicity when burned	July 9	22	Liability law reform: Judicial resistance is foreseen	Dec 10	48
Metal vapor chemistry: High hopes for metal vapor chemistry	July 16	34	— Letter	Oct 29	4			
Mitsui Petrochemical puts its polymer into disks	Sept 3	18	Rim polyurethane pushed as a rubber substitute	Oct 22	60	Production		
Nail polish, polymer-based	Aug 13	31	Polyvinyl Butyral — Monsanto plans expansions in Salflex	Aug 6	20	Chemical industry leading indicator (chart & table) July 2-16, Aug 6-6, Sept 3-52, Nov 5-17	Dec 3	29
Neutralizing acid in motor oils: polymeric particles	July 2	22	Polyvinyl Chloride			Chlor-alkal operating rates rose in July	Oct 8	41
New polymers enter a competitive market	Oct 15	10	American Hoechst doubling PVC film capacity	Aug 13	5	— Clarification	Oct 22	21
Polymer alloys and blends: On the track of new polymer blends (table)	July 16	6	Brazil's PVC demand triggers still more imports: Brasil Resinas Vinilicas seeking permission to build complex	Oct 22	28	Operating rates N Oct 22-60, N Nov 19-48	Dec 17	56
Polymer encapsulation process: Encapsulated pigment for latex paint	Sept 3	45	Building codes come under fire: N.Y. to investigate materials for their toxicity when burned	Oct 22	28	For chemicals, "a pretty good quarter" (table)	Sept 10	6
Polymer Technologies Inc., a for-profit subsidiary, formed by University of Detroit	Aug 27	16	— Letter	July 9	22	Monthly production report (charts) July 2-40, July 30-35, Aug 27-8, Oct 1-20, Oct 29-32, Nov 26-96	Dec 24	16
RTZ's Interchem buys Celanese's specialty resins and water-soluble polymers businesses	July 23	21	European Vinyls Corp. to begin trading on Oct. 1	Oct 29	4	Operating rates for PE and PS	Dec 24	34
Reichhold's emulsion polymers technology licensed to China	Aug 13	14	Europe's resin capacity: Still dropping (chart & table)	Nov 5	33	Quarterly chemical output report (table) Sept 17-31	Dec 17	67
Skin-treatment products cast a rosy glow (table)	Dec 24	20	Goodyear raises PVC resin capacity	Nov 12	46	Quarterly production forecasts (charts) July 23-36, Sept 3-28, Sept 24-26, Oct 22-64	Nov 19	60
Superpolymers, PBZ, will be developed jointly by Dow and Comtech	Dec 3	16	Indonesia to increase PVC production	Sept 17	32	Proppants — Standard Oil set for divestiture	July 9	23
UC sells engineered polymers and advanced composites businesses to Amoco	Dec 10	8	Monomer producers fight for higher prices	Nov 12	9	Propylene		
Water-soluble polymers: Hercules and Henkel form joint venture, Aqualon Group	July 2	14	Plastics '86: Passing 50 billion lb/year and still growing — report (charts & tables)	Dec 17	22	Consumption up	Aug 13	18
	Nov 12	5	PVC: A turnaround this year	Dec 17	53	Markets: A stronger tone in chemical markets	Oct 15	25
			Producers' hopes rise as lead use sinks (table)	Nov 26	10	Prices	Aug 27	57
			South Africa: General Mining Union's Kinross gold mine fire stays a mystery	Oct 1	15	Stocks rise	Aug 20	18
			VCM see Monomers			U.S. propylene shipments to Europe resume	Sept 17	43
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Dexter Corp. acquiring Research Polymers International, thermoplastic polyolefin producer	Sept 17	19	Vista restarts a specialty PVC compounding unit	July 16	17	Propylene Glycol — Prices	Dec 24	34
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			Portugal — Petrochemical complex gets reprieve	Oct 29	27	Korean joint venture	Sept 17	7
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Japan's Kureha will produce polyphenylene sulfide	Aug 13	28	Polish			BIOS: protein engineering system from Japan	July 23	50
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Toyo Soda will produce PPS compounds in the U.S.	Oct 22	60	Exports: North American potash exports soar	Nov 12	46	Sandoz will begin clinical trials for colony stimulating factor, GM-CSF	Aug 27	38
			Israel's Dead Sea Works completes potash conveyor belt	Nov 19	40	Skin-treatment products cast a rosy glow (table)	Dec 24	20
			Prices	July 2	35	Public Citizen Health Research Group — Wolfe objects to HSA's new submissions on DCM	Dec 24	14
Polypropylene			Potassium Carbonate — Occidental Petroleum and Church & Dwight form joint venture in potassium carbonate, Armand Products	Oct 1	5			
Europe's resin capacity: Still dropping (chart & table)	Nov 5	33	Potassium Cyanide — The push for more cyanide safeguards	Oct 8	36			
Hercules ups its U.S. fiber ante: polypropylene staple fiber expansions	Oct 8	11	Powder Coating Institute — Coatings '86 — report (charts & tables)	Oct 22	30			
Himont completes revamping of U.S. PP plants	Nov 12	46						
Mitsui awards contract to Stearns Catalytic World	Aug 6	20						
Mobil plans OPP film capacity expansion at Stratford, Conn.	Nov 26	5						
Neste extends its PP capacity with purchase of Himont's PP plant at Beringen, Belgium	Oct 15	14						
Plastics '86: Passing 50 billion lb/year and still growing — report (charts & tables)	Dec 17	22						

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- Biopulping: Wisconsin researchers court papermakers for a consortium . . .
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Repligen's enzymes for pulping wood . . .

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- Purchasers offer an upbeat outlook: NAPM conference . . .
Purchasing managers extend their reach . . .
Purchasing managers—Viewpoint . . .
Purification — Advanced technology
Materials wants backers for ultrapurification process . . . N
Pyrotechnics — Chemicals help rejuvenate Miss Liberty (table) . . .
A flashy Fourth of July . . .

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- EPA will set RFI radiation limits . . .
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Radioactivity — Radon is a hot issue for the phosphate industry . . .
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Radon — Radon is a hot issue for the phosphate industry . . .

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- Assn. of American Railroads reads an electronic response to chemical spills: ICARIS . . . N
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Conrail sale: A better than even chance . . . N
Terms are set for the Conrail sale . . . N
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Deregulation: The benefits of deregulation for fertilizer companies . . .
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Texas RR Comm. calls for cabooses on trains carrying hazardous waste . . . R

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- Courtaulds unveils solvent-spun rayon . . . N
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- Battelle-C.F. Kettering nitrogen-fixation unit. Old know-how is tapped for new fertilizer units . . .
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- Antimony pentoxide additive takes the sting out of heavy metals for refiners . . . N
CRI International's miniature refinery will develop catalyst know-how . . . N
East Germany's PCK first client for Japanese HSC process . . . N
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Renewable Fuels Assn. — Ethanol's viability fuels dispute . . .
Repe chemicals — Butane may make Repe chemicals: Standard Oil Chemical contract with Davy to study facility . . . N
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- Ag biotech: Du Pont joins with DNAP and AGS . . .
Animal health: Eastman and Molecular Genetics' cooperative research agreement in animal health care . . . N
Antifouling compounds from coral . . .
Biopulping: Wisconsin researchers court papermakers for a consortium . . .

Biotech Research Laboratories puts

- many — but not all — its research contracts in Du Pont's basket . . .
Biotechnology: How contract/collaborative research is funding biotechnology companies' R&D (chart) . . .
Canada to revise its patent law: drug producers respond with heavy research commitments . . .
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Chemist's temperance: Now you can rent a chemist . . .
Chromatography: A supercritical route to compound analysis — supercritical fluid chromatograph . . .
Clean coal: Acid rain spurs clean-coal research . . .
Cold cures: In hot pursuit of a cure for the cold, Merck and Sterling's antivirals; Nova trying bradykinin . . .
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Electrochromic compounds: Chemicals that change their color: polymerized electrochromic compounds (chart) . . .
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Exploring inner space without fanfare — Viewpoint . . .
Ginseng: Getting to the root of ginseng's power . . .
Great Britain: Don't sell the Brits short — Viewpoint . . .
Herbs: Scientists study ancient herbs: Upjohn will analyze 10 medicinal compounds from China . . .
House Committee on Science and Technology guidelines: A plea for scientific literacy . . .
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Microscopy: Getting a clearer focus on atoms; STM and PEM . . .
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- In search for sweeter sweeteners . . . N
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Yale's Brudvig discovers how plants generate oxygen . . . N

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General Electric Plastics: A corporate giant's synthetic resins are a fast-growing "core business" . . .
Goodyear expands hydrocarbon resin capacity . . . N
Hexcel: Takeover is not for Hexcel . . .
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DOE readies its new test site for hazardous materials spills . . . N	July 16 15	ATHENS system cleans "piranha" baths: unit reprocesses sulfuric acid . . . N	Semiconductors	Nov 5 10	Council on Plastics and Packaging in the Environment formed . . . R	July 23 21
The hidden problem of underground storage . . . N	Sept 24 38	DOE readies its new test site for hazardous materials spills . . . N	Advanced materials: Airing the health risks — Harvard Univ. symposium . . . N	Aug 27 26	ICC rate guidelines: shippers balk . . . N	Sept 3 58
California's law is getting mixed reviews . . . N	Sept 24 39	Emergency drills: Just in case the worst case happens — companies participate in volunteer CAER emergency drills . . . N	Computer system from NOAA dubbed CAMEO . . . N	Sept 10 37	Plastics South Conference: New polymers enter a competitive market . . . N	Dec 17 56
Florida gets tough in its buried-tank law . . . N	Sept 24 41	Fire safety of plastics improved with UC's Ucasil FR . . . N	DATA base, Info-Hazmat: New help for responding to emergencies . . . N	Oct 22 60	Polyurethane Div. meeting: RIM polyurethane pushed as a rubber substitute . . . N	Oct 15 10
Chlorine fire at Jones Chemicals warehouse in St. Petersburg, Fla. foils firemen . . . N	Aug 13 12	Hazardous materials transport: Congress fires at hazardous materials transport . . . N	Emergency drills: Just in case the worst case happens — companies participate in volunteer CAER emergency drills . . . N	Oct 8 41	Sales of resins in 1986 . . . N	Oct 22 60
Cyanide: EPA pressing to investigate cyanide availability . . . N	Aug 13 40	Illinois' Chemical Safety Act: Emergency law slurs resistance . . . N	Fire safety of plastics improved with UC's Ucasil FR . . . N	Sept 3 9	Styrene prices push up a notch . . . N	Nov 26 101
Cyanide: The push for more cyanide safeguards . . . N	Oct 8 36	Joliet, Ill. is ready for the worst: joint emergency response program . . . N	Drugs see Drugs	Dec 3 33	Vinyl Institute: Vinyl demand still has room to grow . . . N	Dec 3 33
rDNA work is safe says OECD . . . N	Nov 19 40	Drugs see Drugs	Emergency response programs	Soda Ash		
Exports to rise . . . N	July 2 35	Emergency response programs	CHEMTREC has a HIT (Hazard Information Transmission) . . . N	General Chemical: A big producer is back in business under its old name . . . N	Oct 15 26	
General Chemical: A big producer is back in business under its old name . . . N	Oct 15 26	CHEMTREC makes a solid hit — with HIT — Viewpoint . . . N	CHEMTREC has a HIT (Hazard Information Transmission) . . . N	Henley Group sells a 49% stake in Wyoming soda ash . . . N	Oct 22 60	
Henley Group sells a 49% stake in Wyoming soda ash . . . N	Oct 22 60	Computer system from NOAA dubbed CAMEO . . . N	DATA base, Info-Hazmat: New help for responding to emergencies . . . N	Kerr-McGee cuts soda ash capacity . . . N	Nov 26 101	
Kerr-McGee cuts soda ash capacity . . . N	Nov 26 101	Computer system from NOAA dubbed CAMEO . . . N	Emergency drills: Just in case the worst case happens — companies participate in volunteer CAER emergency drills . . . N	South Africa: AECI and BP consider a joint venture . . . N	July 23 45	
South Africa: AECI and BP consider a joint venture . . . N	July 23 45	DATA base, Info-Hazmat: New help for responding to emergencies . . . N	Fire safety of plastics improved with UC's Ucasil FR . . . N	Sodium Bicarbonate		
Sodium Bicarbonate		Emergency drills: Just in case the worst case happens — companies participate in volunteer CAER emergency drills . . . N	Hazardous materials transport: Congress fires at hazardous materials transport . . . N	Dry-scrubbing acid gases with bicarbonate of soda . . . N	Oct 29 19	
Dry-scrubbing acid gases with bicarbonate of soda . . . N	Oct 29 19	Fire safety of plastics improved with UC's Ucasil FR . . . N	Illinois' Chemical Safety Act: Emergency law slurs resistance . . . N	Dry scrubbing system to be installed at PSCo's Cherokee station . . . N	July 30 22	
Dry scrubbing system to be installed at PSCo's Cherokee station . . . N	July 30 22	Illinois' Chemical Safety Act: Emergency law slurs resistance . . . N	Joliet, Ill. is ready for the worst: joint emergency response program . . . N	Prices . . . N	Oct 15 25	
Prices . . . N	Oct 15 25	Joliet, Ill. is ready for the worst: joint emergency response program . . . N	Sodium Chlorate			
Sodium Chlorate		Semiconductors	Canada: Sodium chlorate plant at Valleyfield, Que., power rates are key to plant's survival . . . N			
Canada: Sodium chlorate plant at Valleyfield, Que., power rates are key to plant's survival . . . N	Sept 24 62	Advanced materials: Airing the health risks — Harvard Univ. symposium . . . N	KemaNord will reduce capacity . . . N			
KemaNord will reduce capacity . . . N	Aug 20 18	ATHENS system cleans "piranha" baths: unit reprocesses sulfuric acid . . . N	Prices . . . N			
Prices . . . N	Sept 3 51	DOE readies its new test site for hazardous materials spills . . . N	Sodium Cyanide — The push for more cyanide safeguards . . . N			
Sodium Cyanide — The push for more cyanide safeguards . . . N	Oct 8 36	Emergency drills: Just in case the worst case happens — companies participate in volunteer CAER emergency drills . . . N				

Sodium Ferrocyanide — Prices	N	Aug 13	18	Sweeter prices for EC carbohydrates	N	Nov 19	54	Nynaes Energy Chemicals energy complex setbacks: Superfos drops out	N	Sept 17	32
Soil Sterilization — Electrical bug-killing and soil sterilization method: Electrofrac	N	Nov 5	41	Starr, Leon ("Lee"), v-p for technology at Celanese: His career started off with a 'bang'	N	Dec 3	40	Sweeteners			
Solar Power — Japanese car powered entirely by amorphous solar cells	N	Oct 1	26	Statue of Liberty				SNAP and NutraSweet join in search for sweeter sweeteners	N	Aug 13	30
Solvents				Chemicals help rejuvenate Miss Liberty (table)	N	July 2	18	Pfizer seeks approval for new sweetener, Alitane	N	Sept 3	34
Chlorinated solvents prices	N	Dec 24	34	The Statue of Liberty: Everyman's symbol — Viewpoint	N	July 2	3	Switzerland			
Courtauds unveils solvent-spun rayon	N	July 2	35	Steam — Monsanto heat-recovery system debuts in an H ₂ SO ₄ plant in Norway	N	July 16	22	Armonia converter wins new customers	N	Aug 6	41
EPA issues land disposal standards for spent solvents	N	Nov 12	56	Stearic Acid — Neutralizing acid in motor oils: polymeric particles	N	July 2	22	Ciba-Geigy's Schweizerhalle plant leak: fumes escape into the atmosphere	R	Nov 26	15
Hill Petroleum will produce BTX	N	Aug 13	18	Steel				Copechim lines up countertrade with Yugoslavia	N	July 9	25
Methylene chloride under new attack for its use in decaffeinating coffee	N	July 2	44	As steel falters, chemicals hold	N	July 30	18	Currency fluctuations affect Swiss results: drug majors sales down	N	Aug 6	36
Mice may make poor DCM test models	N	Dec 24	14	European steel exports to U.S. rise	R	July 9	23	Rhine River pollution watch: Switzerland and Sandoz accept responsibility for contamination	N	Nov 19	20
Paint strippers to replace methylene chloride: Safer, but will they cost more?	N	Oct 1	12	Steroids — DHEA's many promises move toward fulfillment	N	Dec 10	36	Rhine spills trigger changes in Germany	N	Dec 10	43
Shell opens an automated solvents terminal in Carson, Calif.	N	Oct 1	24	Stevens Institute of Technology				Switzerland's Rhine spill: More reaction	N	Dec 17	71
Stripping solvent contains methylene chloride substitute	NP	Oct 15	34	Acid rain spurs clean-coal research	N	Nov 12	40	Sandoz will reduce insecticide output	N	Nov 26	21
Woburn, Mass.: Grace found guilty of contaminating two drinking wells with two solvents	R	Aug 6	20	Membranes go to work against waste	N	Nov 26	109	Synthetic Organic Chemical Manufacturers Assn.			
Well-contamination case settled	N	Oct 1	5	Stockpiles — Canada's sulfur recovery planned at Alberta stockpiles	N	Aug 13	18	Chemical export curbs feared	N	July 16	10
Woburn: There must be a better way — Viewpoint	N	Oct 8	3	Storage				Company community relations: Facing up to the new challenge	N	July 16	28
'No winners' in an \$8.9 million settlement	N	Oct 8	18	Dual containment for hazardous waste tanks will be required by EPA	N	July 9	66	Waldo comments on Superfund	N	Aug 6	9
Sorbitol — Dumping probe: ITA findings	R	Sept 3	17	Everything's old in chemical storage	N	Sept 3	46	Syracuse University — Polymerized liposomes research	N	Aug 6	39
South Africa				Storage tanks in space: AICHE meeting highlight	N	Nov 12	21				
AECI and BP consider a joint venture in soda ash	N	July 23	45	Underground storage: The hidden problems of underground storage	N	Sept 24	38				
Denmark's Superfos wants South African phosphate	N	Aug 20	67	California's law is getting mixed reviews	N	Sept 24	39				
Superfos granted permission to import South African phosphate	N	Aug 27	26	Florida gets tough in its buried-tank law	N	Sept 24	41				
Diamond Shamrock (Africa) Ltd. sold to Tiger Oats Ltd.	N	Dec 17	15	Styrene				Taiwan			
Divestment takes many forms	N	Dec 24	13	Brazil looks to the U.S. Gulf Coast for styrene	N	Sept 3	5	Formosa Plastics will move upstream: ethylene plan approved	N	Oct 22	28
Eastman Kodak pulling out of South Africa	N	Nov 26	5	Imports-exports: Chemicals roll as dollar tumbles (table)	N	Dec 3	8	PPG expands silica operation	R	Aug 20	17
General Mining Union's Kinross gold mine fire: The mine fire slays a mystery	N	Oct 1	15	Korean joint venture	N	Sept 17	7	PE plant will use Unipol process	N	Oct 29	27
South Africa sees little change	N	Dec 10	18	Monomers see Monomers	N	Oct 29	45	Protest against Du Pont's proposed TiO ₂ plant	N	July 2	35
UN calls for a ban on oil to South Africa	N	Nov 26	15	Prices push up a notch	N	Sept 3	9	Toxic waste program	N	July 9	25
Southern Agricultural Chemicals Assn. — Pesticide sales off due to drought	N	Aug 6	24	Sugar — Sweeter prices for EC carbohydrates	N	Nov 19	54				
Space Technology				Sulfites — FDA bans sulfites on salad raw produce	N	July 16	40	Tanks			
Storage tanks in space: AICHE meeting highlight	N	Nov 12	21	Sulfonates — Philippines pushes for ban on use of AB sulfonates: Synthetics vs. coconut derivatives	N	Oct 1	36	Dual containment for hazardous waste tanks will be required by EPA	N	July 9	66
3M signs up for space shuttle experiments	N	Dec 17	21	Sulfur				The hidden problems of underground storage	N	Sept 24	38
Westinghouse joins with Space Industries to construct first Industrial Space Facility	N	Oct 8	21	Canada: sulfur recovery is planned at Alberta stockpiles	N	Aug 13	18	California's law is getting mixed reviews	N	Sept 24	39
Spain				Gypsum weighs in for sulfur recovery: Davy McKee's circular grate turns phosphogyp into sulfuric acid (diagram)	N	July 23	33	Florida gets tough in its buried-tank law	N	Sept 24	41
Alcudia considers a new PP facility	N	July 30	29	Unocal route to remove sulfur from process gases	N	Nov 26	16	Tariffs			
Alcudia's first president will be Javier de la Pena	N	July 23	45	Sulfur Dioxide see also Air Pollution; Desulfurization				American Bar Assn. panel backs free trade	N	Aug 20	17
ERT makes some strategic acquisitions	N	Oct 22	28	Sulfuric Acid				Chemical export curbs feared	N	July 16	10
EC asked for protection from urea imports	N	July 9	25	Athens new system cleans 'piranha' baths: unit reprocesses sulfuric acid	N	Aug 6	46	GATT: At least the trade talks got started	N	Oct 1	48
Spain wins an EC approval	R	July 23	20	General Chemical: A big producer is back in business under its old name	N	Oct 15	26	GATT: Protectionist vs. free trade	N	Sept 24	14
EC fuel specifications: Spain will adapt specifications	N	Oct 15	33	Gypsum weighs in for sulfur recovery: Davy McKee's circular grate turns phosphogyp into sulfuric acid (diagram)	N	July 23	33	GATT's MFA: Japan moves to mitigate a fiber flap with the U.S.	N	Oct 15	33
MTBE projects planned	N	Oct 15	33	Monsanto heat-recovery system debuts in plant in Norway	N	July 16	22	Harmonized code for classifying imports and exports: Streamlining the paperwork of trade (tables)	N	July 9	8
Specialty Chemicals				Scala gives EPA a break on acid rain: releases EPA from obligation to tighten state sulfuric acid emissions	N	Oct 1	48	Italian fiber producers welcome renewal of the Multifiber Arrangement	N	Aug 13	28
ChemDesign: A recession baby's success story	N	Oct 22	76	Superconductivity — Metal complexes may help make superconductors	N	Dec 3	16	Oil slowdowns concern quickens: controls and tariffs called for at API meeting	N	Nov 19	12
DeSoto plans to sell several specialty businesses	N	Oct 8	5	Surfactants				U.S.-Canada free trade: chemical industry views	N	Sept 17	56
Earnings for four leading specialty chemical companies rise	N	Aug 6	5	Dexter Chemical is left to a foundation	N	Sept 17	25	U.S. trade squabbles with Brazil and Japan: the rift widens	N	Aug 27	64
'Gourmet chemicals' in small, pricey packages	N	Nov 19	50	Edelstein's legacy to industry and science	N	Sept 17	26	Taxation			
Grace again looks to chemicals for growth (charts)	N	Sept 10	24	GAF: buys ethylene plants to be designed	N	Sept 24	29	Italy will reinstitute methyl alcohol tax to halt contaminated wine problem	N	July 2	31
Hexcel: Takeover is not for Hexcel	N	July 23	12	Stepan to buy Onyx Chemical segment of Millmaster Onyx	N	July 30	7	Lower corporate taxes for chemical companies	N	July 23	56
Japanese specialty chemicals: The coming wave (tables)	N	July 9	26	Sweden				Lyondell, Petrochemical and Harris County, Tex.: Industry fires up over a property tax dispute	N	Oct 29	17
Statue of Liberty: Chemicals help rejuvenate Miss Liberty (table)	N	July 2	18	AGA dismantling joint venture in industrial gases in Europe with L'Air Liquide	N	Nov 19	5	Natural gas tax looms in Louisiana	N	Nov 12	20
The Statue of Liberty: Everyman's symbol — Viewpoint	N	July 2	3	Ethanol, ethylene plants to be designed	N	Nov 19	25	Superfund taxes: Some winners and some losers (table)	N	Dec 17	6
Whittaker spurs its chemicals: will sell off the rest of its health and metal-fabricating businesses	N	Aug 20	10	Fermenta: The end of an era; El-Sayed will sell his interest to Montedison	N	July 16	9	Tax reform bill			
Sri Lanka — Fertilizer plant: Sri Lanka wants to unload plant	N	Oct 22	66	Montedison-Fermenta deal hits a snag	N	Sept 3	18	Higher taxes for chemical firms	N	Aug 27	21
Standardization				Montedison still wants Fermenta	N	Sept 10	37	Tax reform: Assessing the impact of the federal tax burden at 10 U.S. chemical companies (table)	N	Oct 1	18
FAA new flammability standards for airline seats	N	July 30	42	Fermenta sells three U.S. operations	N	Oct 29	27	Oil industry fights against tax reform bill	N	Oct 1	48
Instruments: New standards for smart instruments	N	Oct 29	28	Fermenta and El-Sayed: More trouble	N	Oct 15	5	Chemical executives lean toward a negative view of the new tax law: CWT Management Advisory Panel survey (chart)	N	Nov 19	37
Stanford University				Nitro Nobel takeover by Dyno Industrier Sverige okayed	N	Dec 17	71	Bentzen rules out major tax changes	N	Dec 3	54
Hazardous waste management report: Technology — In-situ bioreclamation	N	Aug 20	63	Nuclear reactor phase out: Sweden seeks 'no nuke' energy	N	Nov 5	14	Technical University of Nova Scotia — Acid rain spurs clean-coal research	N	Nov 12	40
Microbes to the rescue	N	Oct 29	40					Technology — Justice will allow restrictions in technology licenses	N	Nov 5	48
Starch								Television — Videoconferences: Getting the chemical word out — Viewpoint	N	Oct 1	3
Staley plans expansion of ethylex starch capacity at Decatur corn refining plant	R	Aug 13	16								

Temple University School of Medicine —
DHEA's many promises move toward
fulfillment. N
Tenley, Glen C., president and COO at
Koppers — A non-nonsense president
at Koppers. N
Tennessee Valley Authority — Harle dis-
cusses fertilizer outlook at World Chem-
ical Congress. N

Terminals

Everything's on hold in chemical storage
Shell opens an automated solvents ter-
minal in Carson, Calif. N

Testing

AIDS: Du Pont, Genetic Systems' AIDS
tests score highest. N
AIDS: Pasteur Institute's suit dismissed. R
Anilines: EPA plans more tests but on
fewer anilines (table). N
Animal testing
Computer screening of antitumor
compounds could reduce animal
testing. N
Mice may make poor DCM test models
DOE readies its new test site for haz-
ardous materials spills. N
Du Pont develops surface antigen test
for hepatitis B. R

Field tests

Agrocratus pronounces outdoor test
of genetically engineered plants a
success. N
Argentina halts tests of bovine rabies
vaccine: Policy hitches halt biotech
tests. N
EPA approves field test of an altered
fungus. N
NIH cracks down on field test of
pseudorabies vaccine. N
Rohm and Haas will field-test tobacco
plant genetically engineered to re-
sist caterpillars. N
Forensic test kit. NP
Laboratories: National accreditation for
labs? Controversy brewing. NP
Salmonella screening test. NP
Ultrasonic method finds flaws in ceramic
powders. N
X-ray microanalyzer, tool for materials
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Tetrahydrofuran — BASF, GAF boost capac-
ity for acetylene chemicals. N
Texas Chemical Council — Seeking toxics
data down on the farm. N
Texas Farm Bureau — Seeking toxics data
down on the farm. N
Textile Economics Bureau — U.S. fiber
makers keep tabs on cotton (chart). N

Textiles

International Multifiber Arrangement
expires July 31: trade front heating up
Italian fiber producers welcome renewal
of the Multifiber Arrangement. N
U.S.-Japan trade squabble over textiles:
the rift widens. N
Japan moves to mitigate a fiber flap
with the U.S. N
U.S.-Japanese textile pact for 1986-89:
A 'realistic' trade agreement for
Japanese fibers. N
Textiles see also **Fibers**
Thermal Power — China: Offshore gas
may fuel new projects. N

Thermoplastics

BASF's Chemicals Div. forms Thermo-
plastic Polyurethane Elastomer seg-
ment to introduce its product in U.S. N
Composites 'get it together': producing
composites with thermoplastics dis-
cussed at COGSME meeting. N
Dartco introduces Xydar RC-210. N
Dexter Corp. acquiring Research Poly-
mers International, thermoplastic
polyolefin producer. R
Engineering resins: Change comes to
the resins market (chart). N
K'86: Europe's resin makers enjoy an
upbeat mood. N
Monsanto's international plans for
elastomers, Santoprene and Geos-
last. N
Plastics '86: Passing 50 billion lb/year
and still growing — report (charts &
tables). N
Plastics procedures gear up for the
battle of Detroit. N
Thermosets — OxyChem introduces new
thermoset composites. N
Thin Film — Thinner films from Japan. NP
Tires — Uniroyal Goodrich Tire is born. R
Titanium Carbide — Air Products licensing
proprietary titanium carbide CVD tech-
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Titanium Dioxide

Argentine plant proposal. N

Du Pont's proposed plant in Taiwan
protested. N
Encapsulated pigment for latex paint. N
Forecast: Supply, demand in balance
by 1991. N
Ishihara proposes TiO₂ plant for Singa-
pore. N
SCM converts TiO₂ plant to the chloride
process. N
Saudi Arabian plant proposed. N
South Korean plant still not approved. N
Du Pont seeks partner for project. N

Toiletries

Sales: Brighter prospects for cosmetics
and toiletries. N
Skin-treatment products cast a rosy
glow (tables). N
Tokyo Plastic Dental Society — Artificial
tooth roots: Composites bite into new
applications. N
Toluene — Hilt Petroleum will produce
BTX. N
Toluene Diisocyanate — Brazil boosts TDI
production. N
Toners — Aunyx may file possible antitrust
suit over copier toners against Canon. N

Toxics

EPA broadens its list of hazards (table). N
Seeking toxics data down on the farm:
Texas farm workers fighting to be in-
cluded under the state's HCA. N

Trademarks & Trademarks

The chemistry of a corporate name
change. N
The power of grace, the magic of a name
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Training

Audiovisual program explains the hazards
of plating operations. N
Process simulators give improved train-
ing, plus. N
A sharper focus in professional training
for chemical managers. N
— Letter. N
Tranquilizers — Bristol-Myers tranquilizer
Buspar, gets FDA okay. N

Transportation

Deregulation: The benefits of deregula-
tion for fertilizer companies. N
Methanol-fueled buses in N.Y.C. N
Truckers and shippers find a new to-
getherness. N
2,4,5-T — New Zealand proposed mora-
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Trucks & Trucking

Hazardous materials transport: Con-
gress fires at hazardous materials
transport. N
Insurance keeps truck costs up. N
Truckers and shippers find a new to-
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Turkey

Du Pont will make nylon filament in
Turkey: joint venture with Sabanci
Holding. N
Fertilizer complex to be built. N
Fertilizer production boom expected. N

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Ultrasonics — Ultrasonic method finds
flaws in ceramic powders. N

United Nations

Ban on oil to South Africa called for. N
United Nations Environment Program:
Worldwide moves to protect ozone. N
WHO wants guidelines for woman
chemical workers. N
U.S. Air Force — Wright Aeronautical
Labs: PBZ — A class of polymers unto
itself. N

U.S. Army

Battelle's new transparent elastomer:
A new see-through rubber looks for
work. N
Chemical weapon stockpile may be
burned. N
Fluids with fire-resistant properties. N
The U.S. shares its know-how: FLC links
private and public research (map). N
U.S. Army Construction Engineering Re-
search Laboratory — Portable kit for
evaluating paint: result of federal research. N

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Agee comments on safety of electrical
bug-killing and soil sterilization method. N

Alpha tocopherol surface application
on bacon approved: Saving the bacon
from nitrosamines. N
Biopiping: Wisconsin researchers court
papermakers for a consortium. N
Biotechnology regulation: A framework
for bioregulation. N
Ethanol's viability fuels dispute. N
Evans comments on cotton market. N
Federal aid for gasoline under fire. N
Fibers with built-in 'antifreeze': PEG
'phase-change' materials. N
Hasegawa reports to ACS: hormones
sweeten navel oranges. N
Institute for Microbial and Biochemical
Technology: Microbes to the rescue. N
TEXTRAN service: Greater access to
agricultural research. N
U.S. Dept. of Commerce's National Tech-
nical Information Service — Dismay
greet a plan to take NTIS private (chart)
U.S. Dept. of Defense — Rifkin suit could
halt important vaccine studies. N

U.S. Dept. of Energy

Clean-coal technology: More dollars for
coal projects; nine projects named. N
Combination Research Center's Perry
develops RAPRENOx process which
uses heated cyanuric acid to cut NO_x
from exhaust. N
DOE and EPA strike waste management
pacts. N
Hazardous materials spills' new test site
readied. N
Monsanto Research will not seek to re-
new contract to operate Mound unit. N
Uranium enrichment: Changing the rules;
new DOE provisions draw fire. N
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Fuels — Synthetic fuels; etc.

U.S. Dept. of Health and Human Services

Disease notification bill would establish
a risk assessment board. N
Health bill: Will vaccine sink the health
bill? Drug export provisions would also
die. N
U.S. Dept. of Interior — Study of oil and gas
deposits in Alaska: A new oil bonanza in
Alaska? N
U.S. Dept. of Labor — OSHA may call for
a recount on recently released data. N

U.S. Department of Transportation

Hazardous waste management: New
rules are changing the game — report
(charts). N
Regulations. N
OTA critiques hazards transport. N

U.S. Patent and Trademark Office

Automation isn't always more efficient. N
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sions. N
U.S. Public Health Service — AIDS vac-
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University of Akron — Monitoring priority
pollutants. N
University of Arizona — Acid rain spurs
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Alzheimer's drug treatment — maybe. N
Chaos may offer a clue to chemistry:
Mandel finds that the analysis of a
molecule's hydrophobicity may reveal
something about its function. N
Electrolytic hydrogenation. N
Ginseng study: Getting to the root of gin-
seng's power. N
Insecticides from enzyme inhibitors. N
Integrated Sensors Center: cooperation
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Lee, Yuan Tseh shares 1986 Nobel Prize
in Chemistry. N
Primary alcohols from terminal olefins. N
University of Colorado Medical School —
Nova licenses bradykinin analogs. N

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Bell reports to ACS meeting: Crabs may
improve a biosensor. N
ICI Americas contributes toward con-
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University of Detroit — Forms Polymer
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Ginseng: Getting to the root of ginseng's
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Chaos may offer a clue to chemistry... Dental Materials and Clinical Research Unit: Composites bite into new applications... University of Massachusetts — Malone develops distillation sequences that could lower costs... N University of Michigan — Fly ash improves clay barriers to toxic wastes... N University of Milan — Report on abnormal- ities in children exposed to dioxin during 1978 accident... N University of Minnesota — Microbes to the rescue... University of New Hampshire — Acid rain spurs clean-coal research... University of North Carolina — Murray comments on polymerized electro- chemical compounds (chart)... University of Oregon — Microscopy: Get- ting a clearer focus on atoms; STM and PEM microscopes... University of the Pacific — Getting to the root of ginseng... University of Pittsburgh Medical Center — Kodak and GE to study the medical use- fulness of storage phosphor imaging systems... 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Advanced Technology Materials — Backers wanted for ultrapurification process	N	Aug 6	20
Agelec — L'Air Liquide regrouping German assets	R	Oct 29	19
Agacretus — Outdoor test of genetically engineered plants pronounced a success	N	Nov 19	5
Agrichemicals Economic Research — NH ₃ draws a crowd (chart & tables)	N	Oct 22	66
Agrico Chemical — Gypsum needs a resting place	N	July 23	26
Low-cost ammonia retrolits: Agrico modifying fertilizer complex at Verdigris, Okla.	N	Dec 24	11
NH ₃ draws a crowd (chart & tables)	N	Sept 3	34
Retrolit of Kellogg-designed converter completed: A world record for an ammonia plant?	N	July 23	26
Agrimont — Animal health business	N	Oct 29	19
VETEM. to be bought	R	Oct 29	19
L'Air Liquide — Acquires Big Three industries (table)	R	July 23	21
Industrial gases joint venture with AGA being dismantled	N	Aug 20	11
L'Air Liquide regrouping German assets	N	Nov 19	5

Air Products and Chemicals — Acquires Separex from Parker Drilling.	Oct 1	5	Buyers Ceraver operation in plan to leapfrog world competition in ceramic membrane systems Sept 17-10.	Dec 24	5	Polymer blend research	July 16	6
American Ref-Fuel see under name			Can two-way deals firm aluminum prices? Headquarters and development laboratory facility for Separations Technology Div. being built near Warrendale, Pa.	Oct 22	21	Putting out more money for less waste. Torlon polyamide-imide plastic engine parts: Plastics producers gear up for the battle of Detroit.	Dec 24	26
Baker, Dexter F.: A third CEO in 46 years	Oct 1	11	Intercon-X, ceramics company formed.	Oct 1	15	Amoco Oil — DOE reads its new test site for hazardous materials spills.	Nov 5	6
Ceramics know-how: licensing proprietary titanium carbide CVD technology.	Nov 6	41	IEB formed.	July 30	19	Amoco Performance Products — Acquisition of UC's engineering polymers and advanced composites businesses.	July 16	15
Cogeneration project launched.	Aug 5	26	Purchases majority interest in Universal Adsorbents Inc.	July 9	23	Engineering thermoplastics: Change comes to the resins market (chart).	July 2	14
Company community relations: Facing up to the new challenge.	July 16	28	Resigning its corporate structure and setting up five major operating units.	Dec 24	5	Ampacel — Sales agent for Du Pont Canada's resin additive.	Nov 26	102
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Methane recovery using pressure-swing adsorption will be used at Greensboro, N.C. landfill.	Aug 20	73	Alza — Gerstel comments on new study "Biotech 86: At the Crossroad".	Dec 3	15	Anic — Italy's chemical trade deficit mars a vintage year (charts & table).	Oct 15	13
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Solid fuel cogeneration joint venture with Pyropower.	Aug 13	30	American Can — Packaging operations sell off: Potential gains in profits in plastic packaging (table).	Dec 3	5	Aquifer Remediation Systems — Hazardous waste management.	Nov 26	106
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Alko — Brazil extends its protectionism.	Aug 6	30	CAFC decision in <i>Standard Oil v. American Cyanamid</i>	Aug 6	24	Lyondell Petrochemical see under name	July 16	7
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Chemlink — Everything's on hold in chemical storage... Chesebrough-Pond's — American Brands takeover would reset Chemical Pro- ducts Group, formerly Stauffer Chemical... Chemical units on the block: chlor-alkali plants; Stauffer Seeds; vinyl film operation; food systems business... Spectrum Group to be acquired... Merger agreement with Spectrum Group... Unilever lenders offer... Chevron — Ammonia unit shut: NH ₃ draws a crowd... Chemicals ride out the Gulf Coast recession (chart)... Engineering thermoplastics: Change comes to the resins market... Ethylene and PE tabs: A tenuous link? (chart)... HDPE prices... Higher oilfings get a capacity boost... Keller at A/I meeting: Concern quickens over oil slowdowns... Paracraft distribution agreement with ICI Americas terminated... Polyethylene inches up a nickel (chart)... Polystyrene prices... World Energy Outlook: A slow growth in demand for U.S. energy... Chevron Land and Development — Koller: The expanding land bank... China National Construction — Reichhold's emulsion polymers technology li- censed... China Offshore Gas Utilization Corp. — Offshore gas may fuel new projects in China... China Petro-Chemical International — Sino- Kelllogg joint venture see under name... Chiron — Recombinant vaccine for people will protect against hepatitis B... Chisso Corp. — Economics Laboratory purchases half interest in joint venture subsidiary EL Japan... Chlorine Engineers — New entries vie in chlorine technology (chart)... Chromalloy American — Sun Chemical outlines merger proposal... Merger agreement subject to comple- tion of sale of Sun's graphic arts operation to Dainippon... Sun Chemical merger terms changed... Chrysler — Plastics producers gear up for the battle of Detroit... Church & Dwight — Acquisition of National Vitamin Products planned: another diversification move... Caustic potash: A well-supplied market attracts bold new players... Chemicals help rejuvenate Miss Liberty: sodium bicarbonate (table)... Potassium carbonate venture with Occi- dental Petroleum, Armand Products... Sodium bicarbonate prices... Ciba-Geigy — Antibiotics that show the broadest spectrum yet... Cibacalcin, synthetic calcitonin for Paget's disease... Guatemala moves to lower its drug prices Hazardous waste management: New rules are changing the game — report (charts)... Waste reduction is the way to go... IEB formed... Sales and earnings: first-half '86... N Schweizerhalle plant leaks fumes into the atmosphere... Transdermal hormone therapy for meno- pause, Estraderm... Zambia: company pulls out of Zambia... Clean Sites, Inc. — Holden, Mo. PCB clean- up: A small town's problem spurs call for big changes in PCB legislation... Coal Tech — Clean-coal project: More dollars for coal projects... Coastal Corp. — Colorado Interstate Gas gas contract is upheld... Coastal Petroleum — Florida Supreme Court refuses to reconsider case involving mineral rights under Florida's water- ways... Coastal Tank Lines — Acquired by Chemi- cal Leaman... Coca-Cola — Petalain ends five-year agreement giving Coca-Cola exclusive rights to a plastic can... U.S.S.R. makes progress in joint-venture plans...	Oct 29 17 Dec 10 12 July 23 28 Dec 3 6 Nov 26 102 Nov 12 36 Sept 3 51 Dec 24 15 Nov 19 12 Aug 6 5 July 23 9 Sept 3 51 July 16 22 Oct 29 14 Aug 13 14 July 16 22 July 30 22 Sept 3 5 Aug 13 22 July 16 5 Sept 17 7 Dec 3 15 Nov 5 6 Oct 8 5 July 2 8 July 2 18 Oct 1 5 Oct 15 25 Oct 8 21 Dec 3 16 Oct 22 16 Aug 20 26 Aug 20 39 July 30 19 Aug 6 36 Nov 26 15 Sept 24 22 Oct 8 28 Sept 17 8 Aug 6 12 Nov 19 22 Sept 3 17 July 30 23 Dec 24 34 Dec 17 71	CELurgi — Culfm-fired, circulating fluidized- bed boilers... Cominco — NH ₃ draws a crowd... Commodity Credit Corp. — Ethanol's vi- ability fuels dispute... Commtech International Management — Superpolymers, PBZ, will be developed jointly with Dow... PBZ: A class of polymers units... Venturing entices chemical makers (chart)... Compagnie Generale de l'Electricite — Alcoa buys a Ceraver operation... Companhia Nacional de Petroquimica — Portuguese petrochemical complex gets repealed... Companhia Petroquimica do Nordeste — Petrochemical complex proposed: Bra- zilian companies vie for stakes in a buildup... Companhia Petroquimica do Sul — MTBE unit starts up... CompuChem Laboratories — On-the-job drug tests: Bonanza or ban?... Concept Polymer Technologies — TPE blends for medical applications... Conoco — BASF to purchase Zerec anti- freeze-coolant business... Sharrah at CDA meeting on the impact of mergers and acquisitions... Consolidated Associates — Inventors Forum will bring together inventors and entrepreneurs... Consolidated Grain and Barge — The bene- fits of deregulation... Consolidated Rail — Conrail's proposed sellout jumps the track... Conrail sale: Abetter exit?... Terms are set for the Conrail sale... Consulting Resources — Chlorine: Tight market, tight profits (table)... Market for sanitizer chemicals... Purchasing managers extend their reach Shamel comments on Pac Bio informa- tion... Shamel on biotech market... Consumers Power — Agreement in prin- ciple with Dow over not-completed nuclear plant at Midland, Mich... DPM Plastic Group building polypropylene plant on land belonging to Consumers Power: Plant sites plentiful but risky... Continental Can — Potential outturns profits in plastic packaging (table)... Continental Water Systems — Acquired by Olin... Controls for Environmental Pollution — National accreditation for labs? Contro- versy brewing... Cookson — Kansai becomes top share- holder in Goodlass Nerolac Paints... Coors Biomedical — Cerestore: Composites bite into new applications... Copechim — Countertrade agreement with Yugoslavia... Corning Glass — AI tackles real-time process control... Ceramic membranes... Dicor, castable glass-ceramic crown: Composites bite into new applications... Corporate Security Advisers — Lodge comments on drug-testing market... Corpus Christi Petrochemical — El Paso Products' butadiene plant at Corpus Christi, Tex. purchased... Cosden Chemical — Polypropylene prices N Sept 10-17... Polystyrene prices N Sept 3-51, N Oct 29-45...	Oct 27 43 Oct 1 36 Nov 19 22 Sept 10 5 July 2 44 July 16 33 July 23 28 Nov 19 5 Aug 13 14 Oct 15 14 Aug 13 14 Aug 13 30 Sept 10 5 Nov 26 16 July 23 28 Oct 1 13 Dec 3 16 Dec 10 8 Nov 12 23 Sept 17 10 Oct 29 27 Nov 19 40 July 9 25 Dec 10 12 Oct 15 11 Dec 10 5 Nov 5 7 Aug 27 38 Oct 15 13 Sept 3 6 Sept 10 48 Oct 22 86 Sept 10 18 Sept 17 19 Aug 27 50 Nov 19 5 Aug 20 12 Sept 24 5 Oct 22 69 Oct 15 38 Dec 10 18 July 30 17 Oct 8 15 Aug 27 44 July 9 25 Sept 10 38 Sept 17 14 Aug 27 44 Dec 10 12 Sept 10 17 Dec 10 31 Nov 5 40	D DPM Plastic Group — Polypropylene plant being built on land belonging to Con- sumers Power: Plant sites plentiful but risky... DRG — Hercules to sell Union, Mo. plastic container plant to DRG... Hercules' container business bought: Potential outturns profits in plastic packaging (table)... DSI — Truckers and shippers find a new togetherness: Sexton: His company has not had to self-insure... DSM — Acquisition of Resicaco Beschiro tungsulver... Columbia Nitrogen up for sale... Divestment planned: NH ₃ draws a crowd... Invests in caprolactam, opens a com- posites lab... Netherlands government considers privatizing DSM... Sales and earnings: half-year '86... UKF see under name... Urea technology for C-E project in Chile Daikin — More fluoroplastics, more com- petition... Daichieski Color and Chemicals Mfg. — Acquisition of pigment producer Pope Chemical... Dainippon Ink and Chemicals — Hartmann Druckfarben, printing inks maker, ac- quired... Acquires most of the assets of Hart- mann Druckfarben GmbH group... Pinning down a global marketing strategy Sun resists a takeover by DIC... Sun Chemical discussions continue N July 16-5... Sun finally agrees to sell graphic arts business to Dainippon for \$550 million... Sun and Chromalloy to merge subject to completion of sale... Dainippon Pharmaceutical — Tumor necrosis factor (TNF): A new cancer drug on trial... Dames & Moore — Hazardous waste management report: Market growth... Daniel International — Contract from Derry, N.H. for waste-to-energy facility using Power Recovery's gasification technology... Dartco — Engineering thermoplastics: Change comes to the resins market (chart)... Xydar compounds prices lowered... Xydar RC-210, thermoplastic, intro- duced... Data Resources — Chemical consumption is trending higher... Davis, Herbert W. and Co. — Purchasing managers extend their reach... Davis, Hoxie, Faithfull and Haggood — Amberg comments on patent suits... Day — Standard Oil Chemical contract to study facility using butane to make Reppe chemicals... Sohio explores butane uses: new route to Reppe chemicals substitutes butane for acetylene... Davy McKee — Gypsum weighs in for sul- fur recovery: circular grate turns phos- phoryl into sulfuric acid (diagram)... Dead Sea Works — Potash conveyor belt... Dean Witter Reynolds — Armen comments on Rhône-Poulenc's acquisition of UC's ag business... Armen comments on U.S. economy... Debreccin, Eugene & Associates — Buta- diene surfeit weakens prices... Degussa — Degussa ends a low-profile era in U.S... The push for more cyanide safeguards... Sodium ferrocyanide prices...	Oct 22 69 July 2 14 Oct 15 38 July 30 23 July 23 45 July 16 33 July 23 28 Nov 5 32 Dec 24 31 Sept 24 54 Oct 15 14 Oct 15 21 Nov 26 15 July 23 7 Aug 27 15 Oct 1 30 July 2 9 July 23 7 Aug 27 14 Sept 17 7 July 2 11 Aug 20 29 Sept 3 34 Nov 26 102 Nov 5 40 Nov 5 40 Aug 13 18 Aug 27 48 Dec 24 15 Dec 10 20 Dec 17 9 July 23 33 Nov 19 40 Nov 19 22 Sept 10 6 Aug 13 18 Sept 24 32 Oct 8 36 Aug 13 18

Ultraform joint venture: A third player in U.S. chemicals	Sept 3	10	Chlor-alkali membrane cell joint venture with Cronzio De Niro	July 30	19	Acquires electronic materials supplier Tair Laboratories	Sept 24	5
Denka Chemical — Employee-owners put Denka back on its feet	Dec 3	36	Chlorine capacity reduced at Freepo-1	July 23	24	Acquiring a minority equity position in Laserscope	July 23	21
Reichhold may sell line of esters to Denka	Aug 13	5	Chlorine and caustic soda prices	Nov 26	101	Acquisition agreement for American Critical Care division of Baxter Travenol	July 16	5
Denki Kagaku Kogyo — Commercial plant to make modified maleimide resin	Dec 24	24	Chlorine: Tight market, tight profits (table)	Sept 10	18	Acquisition of Ford's plant operations at Mount Clemens, Mich. planned	Aug 20	17
Dentsply International — Caulk, L.D. see under name			Contractual fees will be collected from Magma Power in common stock	Aug 13	16	Acquisition completed	Sept 10	15
Derektor, Robert E. — EPA pushes criminal sanctions: Derektor indicted for burying transformers and PCBs at his farm (table)	Sept 17	16	1,3-dichloropropene, Telone II and Dow Telone, will be reviewed by EPA	Oct 15	48	Acquisition of IC Packages business of Bourns	July 16	5
Deshon International — Nitrogen-fixation unit, mounted on the back of a truck, based on B-E process	Aug 27	60	Dioxin effects study covering 2,192 employees at Michigan Div.	Oct 1	15	AIDS test: NIH scores Du Pont, Genetic Systems' tests highest	July 16	40
DeSoto — Acquires 50% of stock of Dufay Titanine, industrial coatings producer	Aug 6	20	Dividends raised	Sept 17	7	Assure launched: poorer prospects for corn and soybean herbicides	Oct 15	25
Restructuring: plans to sell several specialty businesses	Oct 8	5	Dow bows out of international banking: sells Dow Financial Services Corp. to Royal Trust Co.	July 23	49	Biotech Research Laboratories puts many — but not all — its research contracts in Du Pont's basket	Aug 20	12
Venturing entices chemical makers (chart)	Nov 12	23	EPA gets tough on paint ethers	Aug 13	12	Biotechnology Systems Div. unveils eight products	Aug 13	31
Deterquimica — Acquired by Economics Laboratory	Sept 17	19	Ethylene oxide derivatives prices	Sept 17	43	Chemicals help rejuvenate Miss Liberty: DuPont's duty-free request for directors	July 2	18
Detox Industries — Microbes to the rescue: Hazardous waste biotreatment fights for recognition	Oct 29	34	Ethylene and PE tabs: A tenuous link? (chart)	Nov 12	36	Chlorine: Tight market, tight profits (table)	Sept 10	18
Detroit Edison — Potatoes: Plenty of risky	Oct 22	69	GM plant closings: Kallgren comments	Nov 19	12	Circuitry kit	Oct 15	34
Detroit Plastics Molding — Advanced Polypro Resins see under name			Glycerine: Dow is committed to synthetic glycerine	Dec 10	31	Company community relations: Facing up to the new challenge	July 16	28
Deutsche L'Air Liquide — L'Air Liquide regrouping German assets	Nov 19	5	Hazardous waste management: New rules are changing the game — report (charts)	Aug 20	26	Consortium aims to improve molecular melting	Aug 6	41
DeWitt — Ethylene and PE tabs: A tenuous link? (chart)	Nov 12	36	Waste reduction is the way to go	Aug 20	39	The discriminating quest for directors	July 2	28
Dexter Corp. — Acquires Rutland Plastics	Dec 17	15	Javela at NAPM conference	Oct 29	12	Seagram's Grandpre and Weinberg	Aug 2	28
Acquiring Research Polymers International, thermoplastic polyolefin producer			Lanning, Jr. comments on electrical bug-killing and soil sterilization method, Electrofrac	Nov 5	41	Dividend hikes reflect growing optimism	Nov 5	5
Dexter Chemical is left to a foundation. Edelstein's legacy to industry and science	Sept 17	19	Membranes: New entries vie in chlorine technology (chart)	Aug 13	22	Electronic chemicals maker, ETD Technology eyed: plant to make photomask products to be built at Round Rock, Tex.	Oct 22	5
Mogul Div.: Programmable systems for water management	Sept 17	25	Methylene chloride prices	Sept 10	17	Engineering polymers prices	Nov 23	24
Dexter-Midland — Coatings '86 — report (charts & tables)	Oct 22	30	Perchloroethylene: Du Pont pulls out	July 16	9	Engineering thermoplastics: Change comes to the resins market (chart)	Nov 26	102
Dialbers — Acrylic yarn antidumping order nears revocation	Aug 13	18	Phenol prices	Dec 17	56	EEOC notice	July 23	21
Dialog Information Services — NTIS sale to private industry greeted with dismay (chart)	July 23	16	Polycarbonate resin producers cash in on CDs	Oct 8	8	Fined by EPA for leaded gas	Dec 10	48
Diamond Shamrock — Caustic potash: A well-supplied market attracts bold new players	July 2	8	Polyethylene inches up a nickel (chart)	July 23	9	Flexel purchases cellophane plant in Tecumseh, Kan.	July 9	47
Caustic soda prices	Sept 3	51	Polyethylene prices: LDPE and LLDPE	Sept 10	17	GM plant closings: Bryant comments	Nov 19	12
Chlorine: Tight market, tight profits (table)	Sept 10	18	PE and PS: Healthy operating rates lead to capacity expansion	Dec 24	34	Hazardous waste management: New rules are changing the game — report (charts)	Aug 20	26
Diamond Shamrock (Africa) Ltd. sold to Tiger Oats Ltd.	Dec 17	15	Polymer blend research	July 16	6	Heckert at Chemical Industry Conference: An upbeat future for chemicals	Nov 26	10
Hazardous waste management: New rules are changing the game — report (charts)	Aug 20	26	Polystyrene prices	Sept 3	51	Joint with DNAP and AGS in ag biotech	Oct 8	21
Occidental Chemical completes acquisition	Sept 10	15	Popoff at World Chemical Congress	Sept 24	65	Korean engineering plastics market eyed	Nov 5	5
Oxy puts Diamond's game plan: will hold on to industrial chemicals and sell off the rest	Oct 1	11	Propylene glycol product prices	Dec 24	34	Membranes go to work against waste	Nov 26	106
Perchloroethylene overcapacity: four producers left as Du Pont pulls out	July 16	9	Purchasing managers extend their research	Aug 27	48	Metal vapor chemistry: High hopes	July 16	34
South African divestment takes many forms	Dec 24	13	Rorer Group stock: 9.5% equity sold	Sept 10	5	Methanol blend waiver modified by EPA	Nov 5	40
Diamond Shamrock (Africa) Ltd. — Sold to Tiger Oats Ltd.	Dec 17	15	Sales and earnings: second quarter	Oct 22	5	Methanol suppliers wait out hard times (chart)	Aug 13	36
Digital Equipment — AI tackles real-time process control	Sept 10	38	Third quarter	Sept 17	44	Microbes to the rescue: Hazardous waste biotreatment fights for recognition	Oct 29	34
Dubak Studios — Chemicals help rejuvenate Miss Liberty: glass (table)	July 2	18	A sharper focus in professional training for chemical managers	Dec 24	21	More fluoroplastics, more competition	Oct 15	21
DNA Plant Technology — Agreement with NutraSweet to search for sweeter sweeteners	Aug 13	30	Skin-treatment products: synthetic glycerine for cosmetics	Oct 29	28	NASH technique: agreement with Orion Pharmaceuticals	Nov 19	20
Du Pont joins in ag biotech	Oct 8	21	Standards for digital instruments	Sept 3	9	New entries vie in chlorine technology (chart)	Aug 13	22
Dong Ting Nitrogen Fertilizer Works — Contract to SinoKellogg to install Kellogg's technology at ammonia plant	Dec 24	34	Styrene prices push up a notch	Dec 3	16	Nylon fiber makers roll out stain-resistant carpets	Oct 8	41
Dor-Oliver — Standard Oil set for divestiture	July 9	23	Superpolymers, PBZ, will be developed jointly with Commtch	Dec 10	8	Nylon filament joint venture plant in Turkey	Aug 6	36
Dorsey — Petitioner Development see under name			PBZ: A class of polymers unto itself	Aug 20	67	Ozone: Worldwide moves to protect ozone	Dec 17	12
Dover Chemical — Organophosphates plant completed	Aug 13	16	2,4,5-T: proposed moratorium in New Zealand	Nov 12	9	Partner sought for Korean TiO ₂ project	Dec 10	31
Dow Chemical — ABS: Borg-Warner's big stake in ABS	Sept 17	9	VCM: Monomer producers fight for higher prices	July 2	31	Perchloroethylene: Du Pont pulls out of 'perc'	July 16	9
Agreement in principle with Consumers Power over not-completed nuclear plant at Midland, Mich.	Sept 24	5	Dow Chemical Europe — Propylene oxide capacity increase at Stade, West Germany	July 9	25	Plastics producers gear up for the battle of Detroit	Nov 5	6
BP Performance to acquire polyolefin wire and cable jacketing business	Sept 17	7	Dow Chemical Pacific — Technology licensing pact with China for PS plant	Oct 22	24	Polyarylates: new amorphous polyarylate resin line launched under the names of Bextloy M and Arlyon	Nov 12	9
Bromine chemicals business to be sold to Ethyl Corp.	Sept 17	7	Dow Chemical U.S.A. — Process simulators give improved training, plus	Oct 22	18	Polymer blends (table)	Oct 22	24
A good bromine deal for Ethyl and Dow	Sept 24	20	Dow Corning — Chemicals help rejuvenate Miss Liberty: silicone sealant	Oct 22	86	Process simulators give improved training, plus	Oct 8	36
Cash-flow rebound (table)	Sept 17	35	A federal plea for high-purity silicon	Aug 27	22	Rare materials for making Freon will be purchased	July 9	47
Caustic soda prices	Sept 3	51	Purchase of Hansil Ltd. completed	Aug 6	24	Reorganizes three business units: forms the Electronics Dept. and the Imaging Systems Dept.; forms Medical Products Dept.	Sept 24	5
Caustic soda solution prices	Aug 20	18	Rhone product prices	Dec 24	20	Resin suppliers await personal computers' rebound (chart)	July 23	8
Chelating agents and brake fluids prices	Sept 3	51	Skin-treatment products cast a rosy glow (tables)	July 23	49	A sharper focus in professional training for chemical managers	Sept 17	44
Chlor-alkali capacity utilization dropped in June	Aug 27	57	Dow Financial Services Corp. — Sold to Royal Trust Co.: Dow bows out of international banking	Aug 6	29	Standards for digital instruments	Oct 29	28
			Dow Quimica — Brazil extends its protectionism	Oct 15	25	Steel industry's problems affect some product areas	July 30	19
			Consumer products venture in Brazil: plastic package for use in home freezers	July 30	19	Stuckey at NAPM conference: Purchasers offer an upbeat outlook	Oct 29	12
			Estireno do Nordeste purchases PS unit	Aug 6	20	Surface antigen test for hepatitis B	Nov 5	14
			Dow Food — Borden's acquisition	July 9	17	Tax reform: Assessing the impact (table)	Oct 1	18
			Drew Chemical — Water management takes to computers	Aug 13	30	TiO ₂ plant for Taiwan: protest against proposed plant	July 2	35
			Drexel Burnham Lambert — Corn and soybean herbicides: poorer prospects	Nov 19	66	Tokyo Stock Exchange listing sought	July 2	7
			Plourde comments on steel industry's effect on industrial gas	Sept 3	10	Truckers and shippers find a new togetherness: Chembulk program; Verna: Regulated pricing didn't make sense	July 30	23
			Dufay Titanine — DeSoto acquires 50% of stock			Venturing entices chemical makers (chart)	Nov 12	23
			Duff & Phelps — O'Neill comments on Naico's restructuring					
			Duke Power — Computer-aided plant design based on ICI software					
			DuPont International — Rohm and Haas must sell the DuPont plant					
			Du Pont — Acetals: Ultraform, a third player in U.S. acetals					

Du Pont Canada — Ampacet will sell resin additive. Booster. . . . N
Sales and earnings: six-months '86. . . . N
Nine months. . . . N
Du Pont do Brasil — Brazil extends its protectionism. . . . N
Du Pont-Mitsui Fluorochemicals — More fluoroplastics, more competition. . . . N
Du Pont Tau — Plant to make photomask products to be built at Round Rock, Tex. . . . N
Du Pont Ventures — Rhemond International acquires 5% shareholding in stock. . . . R
Synergistic Technologies and Matec's Alloy Surfaces joint venture in coatings. . . . R
Durazim — Serraia comments on PEP process. . . . R
Dynamit Nobel of America — Silicon dispersion. . . . NP
Dyno Industrier Sverige — Takeover of Nitro Nobel okayed by Swedish government. . . . N

E

ETD Technology — Du Pont may buy company from GasChem. . . . N
Eastern Petrochemical — Operations fully onstream. . . . N
Eastman Chemical — Cooperative research in animal health care with Molecular Genetics. . . . N
PET bottle resin capacity expansion. . . . N
PET producers gear up to meet rising demand. . . . N
Potential outturns profits in plastic packaging (table). . . . N
Terrill, Sr. at NAPM conference. . . . N
U.S. fiber makers keep tabs on cotton (charts). . . . N
Eastman Kodak Research — Dept. of Biomaterials broadens its base in electrophoresis. . . . N
CAFC decision in instant photography case. . . . N
EPA gets tough on paint exporters. . . . N
Joint study with GE to explore the medical usefulness of storage phosphor imaging systems. . . . N
Life Sciences Div. to get research and administration facility at Malvern, Pa. . . . N
Magnetic materials: joint research program. . . . N
Polaroid patent case: Supreme Court ruling. . . . N
Polymer blend research. . . . N
Polymerization opens doors for liposomes. . . . N
Program with Engenics to develop nutritional biochemicals. . . . N
Pulling out of South Africa. . . . N
South African divestment takes many forms. . . . N
South African Chemicals to stop. . . . N
EasyNet — On-line data bases. . . . N
Ebasco Services — Hazardous waste management: Technology — In-situ bioreclamation. . . . N
Eberstadt, Fleming — Giles at Chemical Industry Conference: An upbeat future for chemicals. . . . N
Giles comments on Hercules new lineup. . . . N
Economics Laboratory — Acquires the Airmark Div. of Airwick Industries. . . . R
Acquires Projectina and Deterquímica. . . . R
More stock and proposed name change to Ecobal. . . . N
Purchases Chisso's half interest in joint subsidiary EL Japan. . . . N
EL Japan — Economics Laboratory purchases Chisso's half interest in joint subsidiary EL Japan. . . . N
Econviews International — Karlsruhe comments on cotton prices. . . . N
Ecova — Microbes to the rescue: Hazardous waste biotreatment fights for recognition. . . . N
Edelgas — L'Air Liquide regrouping German assets. . . . N
El Paso Natural Gas — Saleable gas from Phoenix waste treatment plant. . . . N
El Paso Products — Amorphous polyalpha-olefins marketed under the name Rexene Rxtac. . . . N
Butadiene plant at Corpus Christi, Tex. sold to Corpus Christi Petrochemical. . . . N
Ethylene and PE tabs: A tenuous link? (chart). . . . N
LDPE prices — Amorphous polyalpha-olefins inches up a nickel (chart). . . . N
Electric Power Research Institute — Aquatex process study performed by Stearns Catalytic results. . . . N
Battery power plant in California. . . . N
Electrofrac — Electrical bulk-killing and soil sterilization method. . . . N

Electro-Minerals — Standard Oil set for divestiture. . . . R
Electro-Nucleonics — Pharmacia's diagnostics lines: distribution rights to be purchased. . . . N
Elf Aquitaine — Atchem see under name Didier at World Energy Conference: Two meetings of minds on oil (chart). . . . N
Venturing entices chemical makers (chart). . . . N
Eltech Systems — Chemicals nylon: brane cell technology. . . . N
New entries vie in chlorine technology (chart). . . . N
Emery — Skin-treatment products. . . . N
Empresa Nacional del Petróleo — MTBE project planned. . . . N
Emser Industries — Chemicals nylon: New polymers enter a competitive market. . . . N
Polymer blends (table). . . . N
Encapsulair — Spindrift: encapsulation technology for latex paint. . . . N
Endotronics — Venturing entices chemical makers (chart). . . . N
Energy Bureau, Inc. — Annual conference: Aromatics levels may increase in gasoline. . . . N
Key trends chemical marketers watched. . . . N
Energy and Environmental Research — Acid rain spurs clean-coal research. . . . N
Clean-coal project: More dollars for coal projects. . . . N
Energy International — Clean-coal project: More dollars for coal projects. . . . N
Enex — Boyd comments on plan to shut Monsanto's methanol plant. . . . N
Engelhard — Calcined kaolin capacity expanded. . . . N
FCC catalysts plants expansion plan. . . . N
Engenics — Program with Eastman Kodak to develop nutritional biochemicals. . . . N
Engineered Plastic Components — Joint venture of Alcoa Fujikura and Plastics Management. . . . R
Engineering Plastics — GE defends its Noryl plastic patent in Japan. . . . N
Enichem — European Vinyls Corp. to begin trading. . . . R
Europe's resin capacity: Still dropping (chart & table). . . . N
Italy's chemical trade deficit mars a vintage year (charts & table). . . . N
Necel, Lorenzo Nicchi: Enichem's turnaround manager. . . . N
Venturing entices chemical makers (chart). . . . N
Enichem Elastomeri — Synthetic rubber joint venture in Europe with Uniroil. . . . N
Enichem Fibra — Inca International joint venture with Vetro. . . . N
Italy's chemical trade deficit mars a vintage year (charts & table). . . . N
A strong showing for Italy's fiber makers. . . . N
A turnaround at Enichem. . . . N
Enka — Joint venture, Nippon Aramid Yugen Kaisha to market Twaron aramid fibers in Japan. . . . N
Enron Chemical — Eval Co. of America see under name
National Distillers' acquisition: National Distillers' push for the top in polyethylene (chart). . . . N
Peak antifreeze and rubber's turnaround products business to be sold to Old World Trading. . . . N
Polyethylene inches up a nickel (chart). . . . N
Polyethylene prices: HDPE N Sept 3-51; LDPE and LLDPE. . . . N
Putting up more money for less waste. . . . N
ENSCO — Hazardous waste management report: Technology — Mobile treatment. . . . N
Ente Nazionale Idrocarburi — Canadian urea-ammonia plant plans resurface. . . . N
Colitti at World Energy Conference: Two meetings of minds on oil (chart). . . . N
Enichem's Lorenzo Nicchi: Enichem's turnaround manager. . . . N
Italy's chemical trade deficit mars a vintage year (charts & table). . . . N
Enterprise Oil — ICI will merge oil and gas interests with those of Enterprise. . . . N
Envirodyne Industries — Filmco Domestic and Filmco International units of RJR Nabisco to be bought. . . . N
Environmental Action — Better comments on Superfund. . . . N
Environmental Law Institute — Microbes to the rescue: Hazardous waste biotreatment fights for recognition. . . . N
Environmental Resources Management — Hazardous waste management report: Technology — In-situ bioreclamation. . . . N
Woodruff comments on Union Pacific's site liner service (chart). . . . N
Environmental Services — Hazardous waste management report: Technology — Mobile treatment. . . . N
Environmental Technologies — Holden, Mo. PCB cleanup: A small town's problem. . . . N

spurs call for big changes in PCB legislation. . . . N
Environmental Technology, U.S. — Removing metals from waste streams. . . . N
Enzo Biochem — DNA probe that detects tuberculosis. . . . N
Espanola de Petróleos — MTBE plant planned. . . . N
Essential Dental Systems — Fluoride dental resin. . . . NP
Essex Chemical — Acquires Union Plastics; will be combined with International Chempack. . . . R
Chemical companies set up their own insurance firm. . . . N
Dividends raised. . . . N
Hazardous waste management: New rules are changing the game — report (charts). . . . N
Venturing entices chemical makers (chart). . . . N
Esso Chemical Americas — Isoamylene plant at Baytown, Tex. starts up. . . . R
Esso Chemie — Will market CDF China's oxo alcohols. . . . N
Essochem — Exxon Chemical will be new name. . . . N
U.K. chemicals: In the shadow of the oil price decline (chart & table). . . . N
Estee Lauder — Hyaluronic acid: Skin-treatment products. . . . N
Estimote do Nordeste — Brazil looks to the U.S. Gulf Coast for styrene. . . . N
PS unit purchased from Dow Química. . . . N
Ethyl — Debentures sold. . . . R
Dividend hikes reflect growing optimism. . . . N
Dow's bromine chemicals business to be purchased. . . . N
A good bromine deal for Ethyl and Dow. . . . N
Purchasing managers extend their reach. . . . N
Sales and earnings: second quarter. . . . N
Tax reform: Assessing the impact (table). . . . N
Etiam — Rosenbaum comments on waste exchange. . . . N
EuroCetus — Cetus tokens to open as a market for therapeutics. . . . N
European Vinyls Corp. — Europe's resin capacity: Still dropping (chart & table). . . . N
K'86: Europe's resin makers enjoy an upbeat mood. . . . N
To begin trading on Oct. 1. . . . R
EVC International — European Vinyls Corp. to begin trading on Oct. 1. . . . R
Eval Co. of America — EVOH plant is built. . . . R
Potential outturns profits in plastic packaging (table). . . . N
Excel — Montfort's efforts to block merger with Land O'Lakes Spencer Beef Div. rejected by Supreme Court. . . . N
Exxon Chemical — Ethylene and PE tabs: A tenuous link? (chart). . . . N
Isoamylene plant at Baytown, Tex. starts up. . . . N
Metal vapor chemistry: High hopes. . . . N
New ethylene plants will not be needed before 1995: Robertson at World Chemical Congress. . . . N
The new Exxon Chemical: Fewer vice-presidents, no more matrix management. . . . N
New name of Essochem. . . . N
Polymer blend research. . . . N
Polypropylene prices. . . . N
Potter outturns profits in plastic packaging (table). . . . N
Robertson at World Chemical Congress. . . . N

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FCS Energy — Amex Chemical acquisition completed. . . . R
FMC Corp. — Aquifer Remediation Systems see under name
Hazardous waste management report: Technology — In-situ bioreclamation. . . . N
Just in case the worst case happens: companies participate in volunteer CAER emergency drills. . . . N
Phosphoric acid dumping charges filed. . . . N
FRP Co. — Akzo buys Monsanto's paper chemicals unit. . . . N
Fachinformationszentrum Energie, Physik, Mathematik — On-line chemical data trading pact with Chemical Abstracts and Japan Information Center. . . . N
Falconbridge — Monsanto heat-recovery system debuts in H₂SO₄ plant in Norway. . . . N
Falconbridge Trading Associates — Spent catalysts seek a resting place. . . . N
Farm Services — Genetic conversion to improve the herd. . . . N
Farmitalia Carlo Erba — Animal health business, VETEM, to be sold to Agri-mont. . . . R

shares its know-how: FLC links private and public research (map)	Dec 24	12	Company community relations: Facing up to the new challenge	July 16	28	Korean engineering plastics market eyed	Nov 5	5
Feldmuhle-Grace — Grace gears up for German catalyst production	Nov 26	5	Hazardous waste management report: liability issue	Aug 20	45	Molecular modeling: Computer-aided modeling systems	Oct 15	34
Fenco Engineers — H ₂ SO ₄ plant in Norway will use Monsanto heat-recovery system	July 16	22	Purchases assets and business of Terrell	July 23	21	Polymer blend research	July 16	6
Fermenta — The end of an era for Fermenta: El-Sayed will sell his interest to Montedison	July 16	9	Sales and Earnings: second quarter	July 2	7	Potential outruns profits in plastic packaging (table)	Oct 15	38
Montedison-Fermenta deal hits a snag	Sept 3	18				Resin suppliers eye personal computers' rebound (chart)	July 23	8
Montedison still wants Fermenta	Sept 10	37				Utter plant at Mount Bernon, Ind.	Oct 15	16
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Sells three U.S. operations	Oct 15	5	GAF — Borg-Warner: GAF buys surfactant and phosphate ester business of Borg-Warner Chemicals	Sept 24	20	GM plant closings: Read comments	Nov 19	12
Fermenta Plant Protection — Fermenta will sell operation to Monsanto	Oct 15	5	Borg-Warner: Another profitable takeover gambit?	Nov 26	5	Noryl plastic patent defended in Japan: suit against Mitsubishi Gas Chemical	Oct 15	5
Sales and earnings: second quarter	Aug 6	5	Increases holdings in Borg-Warner from 9.6% to 9.66%	Dec 24	5	Plastics producers gear up for the battle of Detroit	Nov 5	6
Third quarter	Dec 3	24	Celanese to acquire PBT's businesses	July 16	8	Polycarbonate resin producers cash in on CDs	Oct 8	8
Ferrosan — Novo acquiesces 75% share	Nov 12	26	Eckardt comments on Sohio's Reppe technology	Dec 17	9	General Mining Union Corp. — Kinross gold mine fire: The mine fire stays a mystery	Oct 1	15
Ferruzzi Group — Approval sought to bid for 70% share in British Sugar	Nov 26	21	Paint strippers to replace methylene chloride — New acetylene-based solvent: Safer, but will they cost more?	Oct 1	12	General Motors — Coatings '86 — report (charts & tables)	Oct 22	30
Decision on the purchase of British Sugar is put off	Oct 22	5	Polymer blends (table)	July 16	7	Methanol-powered buses for N.Y.C.	July 2	35
Gardini, Rauli, Norwegian — Montedison's No. 1 shareholder	Oct 29	45	Skin-treatment products cast a rosy glow (tables)	Dec 24	20	Plant closings: Can GM make more from less?	Nov 19	11
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Findtech — Kline opens a brokerage shop	Nov 19	18	GATX Terminals — Everything's on hold in chemical storage	Sept 3	46	Genetic Systems — AIDS test: NIH scores Du Pont, Genetic Systems' tests highest	July 16	40
Listed categories: Phillips' products as fine chemicals	Oct 27	38	GFS Energy — New recovery using pressure-swing adsorption will be used at Greensboro, N.C. landfill	Aug 20	73	Genetics Institute — Joint venture with Wellcome for production of biotechnology-based drugs, WellGen Manufacturing	Sept 17	32
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Finnish Sugar — Finnish producers go global	July 2	19	GSK Corp. — Hazardous waste management: New rules are changing the game — report (charts)	Aug 20	26	Georgia-Pacific Corp. — Grow Corp. acquiring part of the chemical packaging division	Sept 10	15
Plant to produce pentose sugars and cattle feed from biomass, will use stake process	Aug 27	15	GTE Laboratories — Durable ceramic composite	Aug 20	28	Tall oil resin prices	Oct 1	24
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Fireworks by Grucci — Chemicals help rejuvenate Miss Liberty: A flashy Fourth of July	July 9	5	Gabris International — Elastomer use in sealing devices is growing	Oct 29	45	Geraco International — Product agreements for immune-response drug	July 9	61
Finnish — Unilever aims for No. 1 spot in fragrances	Oct 8	18	Gallagher, Charles P. (co) — ILC's industry group assets to be bought by Gallagher and Weiss	Dec 3	5	Glaxo — Joint venture with Shell discussed	Dec 17	71
First Colson Life Insurance — Sales and earnings: second quarter	Dec 24	15	Gardini, Rauli — British Sugar: Approval sought to bid for 70% share in British Sugar	Nov 12	26	Givaudan — Unilever aims to No. 1 spot in fragrances	Aug 27	15
First Mississippi — Chemical companies set up their own insurance firm	July 2	30	Decision on the purchase of British Sugar is put off	Nov 26	21	Glidden Co. — Coatings '86 — report (charts & tables)	Oct 22	30
The discriminating quest for directors: Mitchell Hutchins' Becker	Aug 27	4	Gardiner — Gypsum weighs in for sulfur recovery: Davy McKee's circular grate technology	July 23	34	ICI acquiring the U.S. arm of Hanson Trust, including the paint operation	Aug 20	5
NH draws a court fight & tabling	Aug 6	5	Garlock — CAFC decision in Goretex fabric case	Dec 24	15	ICI's acquisition: ICI moves in on U.S. paints and coatings (chart)	Aug 27	13
Fisher Scientific — The push for more cyanide safeguards	Aug 27	4	Garvan Institute of Medical Research — Pacific Biotechnology, Australian subsidiary, being set up with California Biotechnology	Nov 19	5	ICI acquisition makes ICI No. 1 in paints	Nov 12	20
Fitzpatrick, Celia, Harper & Scinto — Fitzpatrick discusses CAFC, Washington's propellant court	Aug 6	5	Gates Energy Products — Battery Business Dept. to be sold to GE	Dec 3	5	Goldman, Sachs — Meitzner comments on colthous prices	July 16	18
Flexcel — Sole producer of cellophane in the U.S., with a subsidiary of Du Pont's plant in Tecumseh, Kan.	Aug 27	4	Gechem — Kemira negotiating for purchase of fertilizer units Garbochim and Sadachem	Dec 3	5	Goodlass Neorlack Paints — Kansai becomes top shareholder	Oct 8	15
Florida Institute for Phosphate Research — Gypsum weighs in for sulfur recovery: Davy McKee's circular grate turns phosphy into sulfuric acid (diagram)	Aug 6	5	Kemira's acquisition of fertilizer division	Dec 3	5	Goodrich, BF — Carter, Leigh elected president	Aug 20	1
Fluid Recycling Services — Hazardous waste management report: Technology — mobile treatment	Aug 6	5	Gene-Probes — DNA probes: Gene-Probe joins with Wistar	Dec 10	43	Carter, Leigh, president and COO: A new president for a 'new Goodrich'	Oct 8	30
Foley, Hoag & Eliot — Woburn: 'No winners' in an \$8-9 million settlement	Aug 6	5	Genetech — Hoffmann-La Roche files patent suit over human growth hormone	Aug 6	41	Elastomers: Hercules' Herculor epichlorohydrin rubber polycarbonate oxide elastomer businesses to be bought	Sept 10	5
Footo Mineral — Newmont Mining puts its 87.5% holding on the block	Aug 6	5	Genentech — Hoffmann-La Roche files patent suit over human growth hormone	Sept 17	56	George discusses plastics in construction: For chemicals, repairs cushion the housing drug (charts)	Oct 22	7
Letter — California assesses its methanol-fueled Escorts	Aug 6	5	Tumor necrosis factor (TNF): A new cancer drug on trial	July 2	11	Purchasing managers extend their reach: Skin-treatment products cast a rosy glow: Carbolip	Dec 24	28
Du Pont will purchase plant operation at Mount Clemens, Mich. R	Aug 20	17				Uniroval to meld its tire operations	July 9	5
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Plastics producers gear up for the battle of Detroit	Nov 5	6				Hydrocarbon resin capacity expanded	Dec 3	33
Formosa Plastics — Ethylene plant approved: will be nucleus of petrochemical complex	Oct 22	28				Polymer products: A new generation of B. Hirach is v-p and general manager	July 30	36
Fort Washington Resources — DHEA's many promises move toward fulfillment: Foundation on Economic Trends — Riklin cries out in its latest biotech regulations	Dec 10	36				PET producers gear up to meet rising demand	Aug 13	6
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Franklin Research Center — Old know-how is tapped for new fertilizer units	Oct 22	30				VCM: Monomer producers fight for higher prices	Nov 12	9
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Frost & Sullivan — Biochemicals market shows rapid growth	Nov 5	5				Klopper, F. Peter: Grace picks a physicist as R&D chief	Sept 3	39
Fujikura — Alcoa Fujikura see under name Fuller, H.B. — Acquires glue product line from Hudson Industries	July 30	19				Concrete admixture doubles the strength of concrete	Oct 15	5

Houston Lighting and Power — Transcontinental Gas Pipeline will link its natural gas pipeline system to HP&L	Aug 13	8
Howell Training — Process simulators give improved training, plus	Oct 22	24
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Huntsman Chemical — Joint venture for plastics products with GE's Plastics Group	Oct 15	25
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Henry comments on USX chemicals	Oct 15	7
Vista takes its profits public	Nov 19	11
Hyde, A.L. — Joint venture with Polymer Composites to produce nylon-fiber shapes	Oct 15	11
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IC Packages — Du Pont signs acquisition agreement	July 16	5
ICC Industries — Dover Chemical see under name		
INA — Copechim lines up countertrade with Yugoslavia	July 9	25
Icahn, Carl C. — USX chemicals: More rumors than sales; sell-off of chemical assets could finance a war chest to fend off Icahn	Oct 15	7
Icarus — Schwab enters chemical market	Oct 15	44
Ickert Petrochemical — Hongoh at World Chemical Congress	Sept 24	66
Igene Biotechnology — Molecules Naturelles: U.S.-European joint venture in flavors and fragrances	Nov 5	5
Ilona of Hungary — Skin-care treatment products	Dec 24	21
Imperial Chemical Industries — Acquiring the U.S. arm of Hanson Trust, including Glidden operation	Aug 20	5
ICI moves in on U.S. paints and coatings; acquisition of Glidden Coatings & Resins (chart)	Aug 27	17
Glidden makes ICI No. 1	Nov 12	21
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ICI Chemicals and Polymers Group: A \$5.2 billion/year chemical group formed	Sept 24	
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Marshall at World Fertilizer Conference: Fertilizer producers examine a crisis in urea	Sept 24	6
Microbes to the rescue: Hazardous waste biotreatment lights for recognition	Oct 29	3
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Oil and gas interests will be merged with those of Enterprise Oil	Dec 24	3
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Software is basic of new Calma system for making piping designs	Aug 27	3
Sweeter prices for EC carbohydrates	Nov 19	5
U.K. chemicals: In the doldrums as the oil price decline (chart & table)	Sept 3	3
ICI Americas — Catalysts stake upped: acquisition of Nalco's interest in Katalco	July 16	
Contributors toward construction of Center for Coastal and Estuarine Univ. of Delaware	Sept 10	
Dixon comments on U.S. economy	Sept 10	
ICI Americas: Sales up 100% in three years, with more acquisitions to come (charts)	Nov 5	2
Partial agreement on chemical waste terminated: ICI will market herbicide under trademark, Gramoxone	Aug 6	

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- Haarmann & Reimer — Unilever aims for No. 1 spot in fragrances N
- Halcon SD Group — Nobel Chemical acquires rights to license ethylene-from-ethanol technology N
- Haldia Petrochemical — India launches a major petrochemical project N
- Hambrecht & Quist — TNF, new cancer drug; comments by Petkevich N
- Hammermill Paper — Acquired by International Paper R
- Hartmann — Dow/Corning completes purchase R
- Hanson Industries — SCM chemicals see under name R
- SCM Pigments Div.; TiO₂ forecast — supply, demand in balance by 1991 — Borst at World Chemical Congress R
- Hanson — Acquired the U.S. — including Glidden operation R
- ICI acquires Glidden Coatings & Resins
- ICI No. 1 in paints with Glidden acquisition R
- Harshaw/Filtrol Partnership — Spent catalysts seek a resting place R
- Hartmann Druckfabrik GmbH — Acquired by Dainippon No. 23 July R
- Hayashibara — Sugar and starch: Sweetener prices for EC carbohydrates R
- HAZTECH — Hazardous waste management rules are changing the game — report (charts) R
- Eight companies on the fast track R
- Hellenic Alumina — Greek alumina project may be revived by agreement between Soviet Union and Greece N
- Alumina project gets green light N
- Herbol-Aquation Group, joint venture with Hercules in water-soluble polymers N

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			Restructuring: Two moves being considered. N	Sept 10	37	SPI International — Ethanol study.	Nov 19	48
			Rhône-Poulenc's U.S. strategy: purchases Monsanto's vanillin business Sweetener prices for EC carbohydrates.	Oct 15	8	Ethylene and PE tabs: A tenuous link? (chart).	Nov 12	36
			UC's ag business to be acquired.	Nov 19	22	Gibson discusses acrylic acid uses.	Oct 15	6
			Venturing entices chemical makers (chart).	Nov 12	23	LLDPE demand should keep rising. N	Aug 27	57
Quaker Chemical — Chemical companies set up their own insurance firm. N	July 9	5	Rhône-Poulenc Agrochimie — Disease control in corn: research agreement with Molecular Genetics. R	July 30	19	PBZ: A class of polymers unto itself.	Dec 10	8
Quantum Enterprises — Brennan discusses plastics in construction: For chemicals, repairs cushion the housing drop (charts).	Oct 22	7	Joint venture with Caltex/Amoco Enterprises in herbicide-resistant plants. N	Dec 17	5	Superpolymers, PBZ. N	Dec 3	16
			Rhône-Poulenc Research Center — New name of Purification Engineering. N	Nov 5	32	ST Services — Everything's on hold in chemical storage.	Sept 3	46
			Ribi ImmunoChem Research — Patent allowance covering the use of MPL to inhibit acute radiation syndrome granted. N	July 16	22	Sabancı Holding — Joint venture nylon filament plant with Du Pont.	Aug 6	36
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						Saint Gobain — Amorphous silicon production pact. N	July 16	22
						Repligen's enzymes for pulping wood.	Sept 3	12
						Salgema Industrias Químicas — Cautic soda expansion planned. N	Oct 8	28

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